

## Department of Science & Math 248

### BACHELOR OF ARTS EDUCATION MATHEMATICS (5-Adult)

Candidates may wish to combine this specialization with another (5-9), (9-Adult), (5-Adult) or (PreK-Adult) specialization.

**GSU 100 The First Year Experience** **0 hour**  
All degree seeking students are required to take GSU 100 during their first semester.

**General Education Requirements** **30 hours**  
Students must take CART 101 and MATH 110 as part of the General Education requirements.

**Content Specialization Courses** **38 hours**

|      |      |                                                   |   |
|------|------|---------------------------------------------------|---|
| MATH | 110  | The Nature of Math                                |   |
| MATH | 120* | Precalculus                                       | 4 |
| MATH | 201* | Introduction to Mathematical Reasoning and Proofs | 3 |
| MATH | 202  | Calculus I                                        | 4 |
| MATH | 207  | Calculus II                                       | 4 |
| MATH | 230  | Euclidean Geometry for College Students           | 3 |
| MATH | 256  | Probability and Statistics I                      | 3 |
| MATH | 265  | Math Topics for Teaching                          | 2 |
| MATH | 308  | Calculus III                                      | 4 |
| MATH | 315  | Linear Algebra                                    | 3 |
| MATH | 321  | History of Mathematics                            | 2 |
| MATH | 330  | Discrete Mathematics                              | 3 |
| MATH | 356  | Probability and Statistics II                     | 3 |

\*MATH 115 may be required as a prerequisite for MATH 120 and MATH 201 if candidates do not have a Math ACT of 24 or SAT score of 580 or higher.

**Professional Education** **27 hours**

|      |     |                                                                       |   |
|------|-----|-----------------------------------------------------------------------|---|
| CART | 101 | Introduction to Public Speaking                                       |   |
| CSCI | 267 | Computer Skills for Education                                         | 3 |
| EDSP | 220 | Introduction to Educating Exceptional and Culturally Diverse Students | 3 |
| EDSP | 334 | Strategies for Educating Exceptional and Culturally Diverse Students  | 3 |
| EDUC | 203 | Foundations of Education                                              | 3 |
| EDUC | 205 | Educational Psychology*                                               | 3 |
| EDUC | 310 | Classroom Management and Teaching Strategies                          | 3 |
| EDUC | 343 | Teaching Mathematics in Middle and Adolescent Education (5-Adult)     | 3 |
| EDUC | 412 | Curriculum and Assessment: Content (5-Adult)                          | 2 |
| PED  | 201 | First Aid and Safety                                                  | 1 |
| READ | 317 | Teaching Reading in Middle and Adolescent Education                   | 3 |

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|                  |     |                     |    |                 |
|------------------|-----|---------------------|----|-----------------|
| <b>Residency</b> |     |                     |    | <b>18 hours</b> |
| EDUC             | 470 | Residency I         | 6  |                 |
| EDUC             | 480 | Residency II        | 11 |                 |
| EDUC             | 493 | Capstone Assessment | 1  |                 |

**General Electives** **7 hours**

**Total minimum hours required for degree** **120 hours**

Education 203 and Education 205 are the only Professional Education courses which can be attempted without being admitted to a Program in Teacher Education.

\*Before enrolling in Education 205, a student must have attempted PRAXIS CORE or be exempt from this requirement due to ACT or SAT score.

### **GATEWAY ASSESSMENT – ADMISSION TO TEACHER EDUCATION**

#### **CAPSTONE ASSESSMENT – EDUC 493**